

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	"20020146643"	US-PGPUB; USPAT	OR	OFF	2006/11/09 13:46
L2	1720	("430/270.13" or 369/94 or 428/64.9 or 428/64.5 or 430/270.11).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/09 14:19
L3	2876	In near (".%." or percent)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/09 14:19
L4	81412	(In or indium) near10 (".%." or percent)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/09 14:20
L5	66	I4 and I2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/09 14:35
L6	2050	(Ge or Germanium) near10 (".%." or percent)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/09 14:36
L7	612	I6 and I4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/09 14:36
L8	11	I7 and I2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/09 14:41
L9	288	I6 near5 ("60" or "61" or "62" or "63" or "64" or "65" or "66" or "67" or "68" or "69")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/09 15:47
L10	283	I6 near3 ("60" or "61" or "62" or "63" or "64" or "65" or "66" or "67" or "68" or "69")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/09 15:47

## EAST Search History

L11	2	I10 and I2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/09 16:19
L12	99	(In or indium) near12 (percent or "%.")	JPO	OR	ON	2006/11/09 16:19
L13	3	I12 and (Ge or germanium)	JPO	OR	ON	2006/11/09 16:21
L14	80973	In same (composition\$3 or formula)	JPO	OR	ON	2006/11/09 16:21
L15	81505	(In or indium) same (composition\$3 or formula)	JPO	OR	ON	2006/11/09 16:21
L16	1032	I15 and (Ge or germanium)	JPO	OR	ON	2006/11/09 16:22
L17	574	I16 and (sb or antimony)	JPO	OR	ON	2006/11/09 16:22
L18	145	I17 and (Te or tellurium)	JPO	OR	ON	2006/11/09 16:22
L19	66	I18 and optical	JPO	OR	ON	2006/11/09 17:00
L20	358	shingai	US-PGPUB; USPAT; JPO	OR	ON	2006/11/09 17:01
L21	7	"669" and I20	US-PGPUB; USPAT; JPO	OR	ON	2006/11/09 17:01
S1	1719	("430/270.13" or 369/94 or 428/64.9 or 428/64.5 or 430/270.11).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/09 14:17
S2	655185	(optical or laser or information) near5 (card or disc or disk or media or medium)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/07 14:32
S3	1627	S1 and S2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/07 14:32
S4	57082	phase adj change	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/07 14:32
S5	817	S3 and S4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/07 14:32

## EAST Search History

S6	8641853	In or Indium	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/07 14:33
S7	814	S5 and S6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/07 14:34
S8	244500	(dual or multi or multiple) near3 layer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/07 14:34
S9	264228	(dual or multi or multiple) near3 (film or layer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/07 14:34
S10	314	S7 and S8	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/07 14:35
S11	327	S9 and S7	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/07 14:40
S12	927686	Ge or germanium	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/07 14:40
S13	149098	Te or tellurium	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/07 14:41
S14	185	S11 and S12 and S13	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/07 15:21
S15	0	gesbtein	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/07 15:21

## EAST Search History

S16	0	GeSbTeIn	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/07 15:21
S17	146	Ge adj Sb adj Te adj In	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/07 15:43
S18	180	(Ge adj Sb adj Te adj In) or (In adj Ge adj Sb adj Te) or (Te adj In adj Ge adj Sb) or (Sb adj Te adj In adj Ge)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/07 15:45
S19	170	S18 and S2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/07 15:45
S20	165	S19 and S4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/08 09:48
S21	8844	(369/283 or 369/286 or 369/275.5 or 428/64.4 or 428/64.6 or 428/64.9 or 428/65.2 or 430/945).ccls. 430 270.11	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/08 09:52
S22	7313	(pit or "pre pit") with (deep or depth)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/08 09:52
S23	4829	(pit or "pre pit") with (width or wide)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/08 09:53
S24	1230	S22 same S23	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/08 09:53
S25	81	S24 and S21	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/08 10:10

## EAST Search History

S26	111	S24 same("200" or "250" or ".25" or ".2" or "2500" or "2000")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/08 10:12
S27	14	S26 and S21	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/08 10:17
S28	0	S25 and ("read only or ROM")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/08 10:18
S29	43	S25 and (reflective or "semi reflective")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/08 14:25
S30	5311	(430/270.13 or 369/94 or 428/64.9 or 428/64.5 or 430/270.11 or 430/945 or 369/275.5 or 369/275.2).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/08 14:28
S31	27310	(In or indium) near10 (Ge or Germanium)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/08 14:29
S32	6892	S31 near10 (antimony or Sb)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/08 14:42
S33	149101	S32 near "10" (Te or Tellurium)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/08 14:30
S34	1594	S33 and S30	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/08 14:31
S35	779	S34 and ("phase change")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/08 14:31

## EAST Search History

S36	554	S35 and (Ag or silver)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/08 14:33
S37	29168758	@py<"2004"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/08 14:34
S38	334	S36 and S37	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/08 14:34
S39	18794	S31 and (phase change)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/08 14:42
S40	4493	S39 and silver	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/08 14:43
S41	2477	S40 and S37	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/08 14:43
S42	122	S41 and S30	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/08 16:57
S43	0	GeTeSbIn	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/08 15:08
S44	6	((Ge adj Te) adj (Sb)) adj (In)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/08 15:08
S45	753267	(Al or Aluminum) same ("10" or "100" or ".01")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/08 16:59

## EAST Search History

S46	56	S42 and S45	USPAT	OR	OFF	2006/11/08 16:59
S47	405477	(Al or Aluminum) with ("10" or "100" or ".01")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/08 17:01
S48	38	S47 and S42	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/08 17:00
S49	70821	(Ag or silver) with ("10" or "100" or ".01")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/08 17:01
S50	32	S49 and S42	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/08 17:01
S51	1	"1172811"	EPO	OR	OFF	2006/11/09 11:30
S52	1	"1229530"	EPO	OR	OFF	2006/11/09 11:52
S53	1	"20010036528"	US-PGPUB; USPAT	OR	OFF	2006/11/09 13:46